

IN THE CLAIMS

Claims 1-31 (Canceled).

32. (Currently Amended): An apparatus for eradicating pests, said apparatus comprising:

a chamber having a first end, a second end, a left wall, a right wall, a ceiling, and a floor, the ceiling and the floor being connected to the ends and walls to define an interior volume of the chamber;

a door that allows ingress to and egress from the interior of the chamber, said door positioned at the first end of the chamber;

a means for heating [the] air in the interior of said chamber; [said]

a plenum for [means of heating] delivering heated air from the heating means to said interior of the chamber, said plenum being formed either internal or external to the chamber;
[and]

a means for circulating air in the chamber; and

a means for returning air from the interior of the chamber to said heating means to be heated by the heating means in order to evenly treat any products placed within the chamber to a temperature that is lethal to pests.

33. (Currently Amended) The apparatus of claim [32] 36 wherein said means for [heating] returning air comprises a second plenum, said plenum and said second plenum cooperating with each other and with said fan to more completely circulate [heater and a means for circulating] the air within the interior of said chamber.

34. (Previously Added): The apparatus of claim 32 wherein said heater comprises an indirect fired heating unit.

35. (Previously Added): The apparatus of claim 32 wherein said heater comprises a direct-fired heating unit.

36. (Previously Added): The apparatus of claim 32 wherein said means for circulating the air comprises a fan assembly utilizing a fan and electric fan motor.

37. (Currently Amended): The apparatus of claim [36] 33 wherein said fan assembly is a duct axial fan.

38. (Currently Amended): The apparatus of claim [32]33 wherein said floor is reinforced to support the weight of any machinery required to load objects into or unload objects from said chamber.

39. (Currently Amended): The apparatus of claim [32] 33 wherein said heater has an inlet for allowing the second plenum to communicate with the heater thereby directing [inputting] air into said heater and an output for allowing the plenum to communicate with the heater thereby directing [outputting] heated air [, said inlet and said output communicating with] into the interior volume of the chamber to heat said interior volume.

40. (Currently Amended): The apparatus of claim 39 wherein said heater output and input are connected to said plenum and to said second plenum respectively [communicates with said interior volume of the chamber] via ducting.

41. (Currently Amended): The apparatus of claim [32] 33 wherein said chamber is a modified trailer having towing means and a tractor wheel assembly attached to the underside of said chamber for facilitating the movement and transportation of said chamber.

42. (Currently Amended): The apparatus of claim 32 further comprising a sub-ceiling wherein said sub-ceiling along with the existing ceiling forms [a duct] said plenum either internal to or external to the chamber.

43. (Currently Amended): The apparatus of claim [32] 42 wherein said means for heating comprises an inlet for allowing outside air to be heated for make-up air as required to pressurize the interior of the chamber.

44. (Currently Amended): An apparatus for eradicating pests, said apparatus comprising:

a chamber defining an interior volume, said chamber having means for lifting by external machinery, said chamber having first and second ends;

a door or doors that allows ingress and egress from the interior of the chamber, said doors positioned at the first end of the chamber;

a means for evenly heating the interior of said chamber to a temperature that is lethal to pests, said means for heating including at least one plenum and a heater all of which are located either [on the] exterior to or [remote of] remotely from said chamber.

45. (Currently Amended): The apparatus of claim 44 wherein said chamber is a refurbished insulated commercial trailer commonly referred to as a reefer box.

46. (Previously Added): The apparatus of claim 44 further comprising a plurality of wheels that can be mounted on the underside of said chamber in order to move the chamber and facilitate its portability.

47. (Previously Added): The apparatus of claim 44 further comprising a trailer having wheels, said trailer adapted to be pulled by a tractor truck and that can accept said chamber in order to move the chamber and facilitate its portability.

48. (Previously Added): The apparatus of claim 44 wherein said chamber is comprised of a modified existing trailer to which said heating device is attached.

49. (Previously Amended): An apparatus for eradicating pests, said apparatus comprising:

a chamber having a first end, a second end, a left wall, a right wall, a ceiling, a sub-ceiling, and a floor, the ceiling and sub-ceiling defining a ceiling plenum;

a door that allows ingress to and egress from the interior of the chamber, said door positioned at one end or each end of the chamber;

a heater having the capacity to heat the air in the interior of said chamber to a desired temperature for a desired period of time, the heater having an inlet and an outlet, the outlet of said heater connected directly to said chamber;

means for circulating air having an inlet and an outlet, the outlet of said circulating air means connected to the inlet of said heater, and the inlet of said circulating air means connected to said ceiling plenum, said ceiling plenum communicating with the interior of the chamber to define a continuous volume for allowing air to be moved by the circulating means through the heater, into the interior of the chamber, through the ceiling plenum and back to the circulating means, said means for circulating, said heating means and said ceiling plenum communicating with each other in order to evenly heat the interior of said chamber.

50. (Previously Added): The apparatus of claim 49 wherein said heater and means for circulating are housed in the same unit such as a direct-fired heater.

51. (Previously Amended): The apparatus of claim 49 further comprising a control means for controlling the operation of said heater and said air circulating means so that when a desired temperature and time period are entered into the control means the heater and air circulating means working together draw air from the chamber into said ceiling plenum and eventually into said air circulating means, said drawn air is then pushed into said heater where it is heated to a predetermined temperature, the heated air then being directed into the floor plenum through the perforated floor and into the chamber, said control means ensuring that the air circulating means and heater operate at least intermittently for the desired period of time in order to keep the air within said chamber and any products placed within the chamber at the desired temperature.

52. (Previously Added): The apparatus of claim 49 further comprising a primary floor spaced apart from and above the floor of said chamber in order to define a floor plenum, the primary floor comprising a plurality of sections having perforations, said perforations being sized, shaped and spaced in order to communicate with said means for circulating, said heating means and said ceiling plenum to further improve and distribute heat evenly within the interior of said chamber.